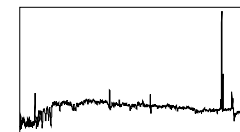


UT Date 2012-10-14 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	00:53	16:42:56.6	+31:31:43	300	89	3.0	0 Calibration	4	
0011-0030.BIAS	0	01:33	16:42:56.6	+31:31:43	300	89	3.0	0 Calibration	4	
0031-0050.FLAT	7	01:46	16:42:56.6	+31:31:43	300	89	3.0	0 Calibration	2	
0051-0060.BIAS	0	01:48	16:42:56.6	+31:31:43	300	89	3.0	0 Calibration	2	
0061.DracoC1	1200	01:52	17:19:58.0	+57:50:06	300	89	3.0	#12 Symbiotic	2	
0062.COMP	10	02:13	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
0063.AGDra	2	02:16	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0064.AGDra	15	02:16	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0065.AGDra	60	02:17	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0066.COMP	10	02:18	16:01:41.0	+66:48:10	300	90	3.0	0 Calibration	2	
0067.RSOph	10	02:22	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0068.RSOph	60	02:22	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0069.RSOph	150	02:23	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0070.COMP	10	02:27	17:50:13.0	-06:42:30	300	90	3.0	0 Calibration	2	
0071.YYHer	10	02:29	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0072.YYHer	60	02:30	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0073.COMP	10	02:31	18:14:34.0	+20:59:19	300	90	3.0	0 Calibration	2	
0074.AS296	45	02:34	18:15:07.0	-00:18:52	300	90	3.0	#12 Symbiotic	2	
0075.AS296	20	02:37	18:15:07.0	-00:18:52	300	90	3.0	#12 Symbiotic	2	
0076.AS296	120	02:38	18:15:07.0	-00:18:52	300	90	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0077.COMP	10	02:40	18:15:07.0	-00:18:52	300	90	3.0	0 Calibration	2	
0078.Hen1674	120	02:46	18:20:19.1	-26:22:46	300	90	3.0	#12 Symbiotic	2	
0079.Hen1674	600	02:49	18:20:19.1	-26:22:46	300	90	3.0	#12 Symbiotic	2	row=68
0080.COMP	10	02:59	18:20:19.1	-26:22:46	300	90	3.0	0 Calibration	2	
0081.V443Her	5	03:03	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0082.V443Her	45	03:04	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0083.V443Her	90	03:05	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0084.COMP	10	03:07	18:22:07.0	+23:27:20	300	90	3.0	0 Calibration	2	
0085.AS316	30	03:10	18:42:33.0	-21:17:47	300	90	3.0	#12 Symbiotic	2	
0086.AS316	300	03:11	18:42:33.0	-21:17:47	300	90	3.0	#12 Symbiotic	2	
0087.COMP	10	03:16	18:42:33.0	-21:17:47	300	89	3.0	0 Calibration	2	
0088.AS327	30	03:19	18:53:17.0	-24:22:59	300	89	3.0	#12 Symbiotic	2	
0089.AS327	300	03:20	18:53:17.0	-24:22:59	300	89	3.0	#12 Symbiotic	2	
0090.COMP	10	03:25	18:53:17.0	-24:22:59	300	90	3.0	0 Calibration	2	
0091.AS338	90	03:28	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	
0092.COMP	10	03:30	19:03:47.0	+16:26:17	300	90	3.0	0 Calibration	2	
0093.V919Sgr	15	03:33	19:03:45.0	-16:59:56	300	90	3.0	#12 Symbiotic	2	
0094.V919Sgr	30	03:34	19:03:45.0	-16:59:56	300	90	3.0	#12 Symbiotic	2	
0095.COMP	10	03:35	19:03:45.0	-16:59:56	300	90	3.0	0 Calibration	2	
0096.BFCyg	15	03:37	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	

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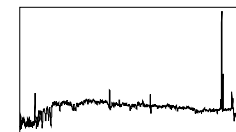
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0097.BFCyg	15	03:37	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0098.COMP	10	03:38	19:23:53.0	+29:40:27	300	90	3.0	0 Calibration	2	
0099.CHCyg	1	03:40	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0100.CHCyg	5	03:40	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0101.CHCyg	30	03:40	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0102.COMP	10	03:41	19:24:33.0	+50:14:30	300	90	3.0	0 Calibration	2	
0103.AS360	60	03:43	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0104.AS360	300	03:45	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0105.COMP	10	03:50	19:45:49.0	+18:36:49	300	90	3.0	0 Calibration	2	
0106.CICyg	4	03:52	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0107.CICyg	15	03:52	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0108.COMP	10	03:53	19:50:12.0	+35:41:02	300	90	3.0	0 Calibration	2	
0109.PUVul	1	03:55	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0110.PUVul	10	03:56	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0111.PUVul	60	03:56	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0112.COMP	10	03:58	20:21:13.0	+21:34:21	300	90	3.0	0 Calibration	2	
0113.lsq12fhe	1800	04:00	21:32:09.3	-05:43:34	300	90	3.0	#2 SN Observat	2	
0114.COMP	10	04:31	21:32:09.3	-05:43:34	300	90	3.0	0 Calibration	2	
0115.sn2009ip	1800	04:33	22:23:08.3	-28:56:52	300	90	3.0	#2 SN Observat	2	
0116.COMP	10	05:05	22:23:08.3	-28:56:52	300	90	3.0	0 Calibration	2	

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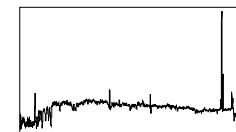
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0117.lsq12fhs	1800	05:07	22:52:23.5	-20:36:53	300	90	3.0	#2 SN Observat	2	
0118.lsq12fhs	1800	05:38	22:52:23.5	-20:36:53	300	90	3.0	#2 SN Observat	2	
0119.COMP	10	06:08	22:52:23.5	-20:36:53	300	90	3.0	0 Calibration	2	
0120.BDp284211	120	06:11	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0121.COMP	10	06:14	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0122.BDp174708	25	06:15	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0123.COMP	10	06:17	22:11:31.4	+18:05:34	300	91	3.0	0 Calibration	2	
0124.M31	60	06:21	00:42:44.3	+41:16:09	300	91	3.0	#57 Velocity S	2	
0125.COMP	10	06:23	00:42:44.3	+41:16:09	300	90	3.0	0 Calibration	2	
0126.ZAnd	1	06:25	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0127.ZAnd	5	06:25	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0128.ZAnd	30	06:25	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0129.COMP	10	06:26	23:33:40.0	+48:49:06	300	90	3.0	0 Calibration	2	
0130.psn0123	1800	06:29	01:23:24.4	+09:25:54	300	88	3.0	#2 SN Observat	2	
0131.COMP	10	07:00	01:23:24.4	+09:25:54	300	89	3.0	0 Calibration	2	
0132.AXPer	4	07:02	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0133.AXPer	30	07:02	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0134.AXPer	90	07:03	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0135.COMP	10	07:05	01:36:23.0	+54:15:03	300	89	3.0	0 Calibration	2	
0136.COMP	10	07:14	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	600L, 1.5 arcsec, tilt = 445

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0137.bcand986	540	07:16	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0138.bcand986	540	07:25	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0139.COMP	10	07:34	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0140.bcand986	540	07:35	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0141.bcand986	540	07:44	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0142.COMP	10	07:54	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0143.bcand986	540	07:54	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0144.bcand986	540	08:04	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0145.COMP	10	08:13	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0146.bcand986	540	08:14	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0147.bcand986	540	08:23	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0148.COMP	10	08:32	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0149.bcand986	540	08:33	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0150.bcand986	540	08:42	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0151.COMP	10	08:52	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0152.bcand986	540	08:53	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0153.bcand986	540	09:02	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0154.COMP	10	09:11	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0155.bcand986	540	09:12	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0156.bcand986	540	09:21	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0157.COMP	10	09:31	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0158.bcand986	540	09:32	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0159.bcand986	540	09:41	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0160.COMP	10	09:50	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0161.bcand986	540	09:51	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0162.bcand986	540	10:00	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0163.COMP	10	10:10	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0164.bcand986	540	10:12	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0165.bcand986	540	10:21	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0166.COMP	10	10:31	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0167.bcand986	540	10:32	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0168.bcand986	540	10:41	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0169.COMP	10	10:50	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0170.bcand986	540	10:51	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0171.bcand986	540	11:00	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0172.COMP	10	11:10	03:26:40.0	-06:36:05	600	89	1.5	0 Calibration	4	
0173.bcand986	540	11:11	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0174.bcand986	540	11:20	03:26:40.0	-06:36:05	600	89	1.5	#178 Low Mass	4	
0175.COMP	10	11:30	03:26:40.0	-06:36:05	600	90	1.5	0 Calibration	4	
0176.G191B2B	300	11:33	05:05:30.6	+52:49:52	600	89	1.5	#56 Spectropho	4	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0177.COMP	10	11:38	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0178-0187.FLAT	12	11:43	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0188.COMP	5	11:47	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	4	
0189.GITau	240	11:51	04:33:34.0	+24:21:18	300	89	3.0	#12 Symbiotic	2	
0190.COMP	10	11:55	04:33:34.0	+24:21:18	300	90	3.0	0 Calibration	2	
0191.GKTau	240	11:56	04:33:34.5	+24:21:07	300	90	3.0	#12 Symbiotic	2	
0192.COMP	10	12:01	04:33:34.5	+24:21:07	300	90	3.0	0 Calibration	2	
0193.sn2010j1	1800	12:06	09:42:53.3	+09:29:42	300	91	3.0	#2 SN Observat	2	
0194.COMP	10	12:37	09:42:53.3	+09:29:42	300	91	3.0	0 Calibration	2	
0195-0214.FLAT	7	12:46	09:42:53.3	+09:29:42	300	91	3.0	0 Calibration	2	
0215-0224.BIAS	0	12:48	09:42:53.3	+09:29:42	300	91	3.0	0 Calibration	2	
0225-0234.DARK	900	15:09	09:42:53.3	+09:29:42	300	91	3.0	0 Calibration	2	